

PTO/SB/08A (10-01)

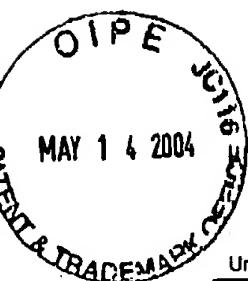
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	09/747,488-8271	
			Filing Date	December 21, 2000	
			First Named Inventor	Bowman et al.	
			Art Unit	1615	
			Examiner Name	Liliana Di Nola Baron <i>C. Azpuru</i>	
Sheet	1	of	3	Attorney Docket Number	22956-67

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
<i>CA</i>	A	6,541,024	04/01/2003	Kadiyala et al.	
	B	6,511,958	01/28/2003	Atkinson et al.	
	C	6,379,367	04/30/2002	Vibe-Hansen et al.	
	D	6,365,149	04/02/2002	Vyakarnam et al.	
	E	6,331,312	12/18/2001	Lee et al.	
	F	6,319,712	11/20/2001	Meenen et al.	
	G	6,291,240	09/18/2001	Mansbridge et al.	
	H	6,287,340	09/11/2001	Altman et al.	
	I	6,283,980	09/04/2001	Vibe-Hansen et al.	
	J	6,277,151	08/21/2001	Lee et al.	
	K	6,251,673	06/26/2001	Winkler	
	L	6,214,045	04/10/2001	Corbitt, Jr. et al.	
	M	6,200,606	03/13/2001	Peterson et al.	
	N	6,197,061	03/06/2001	Masuda et al.	
	O	6,187,053	02/13/2001	Minuth	
	P	6,183,737	02/06/2001	Zaleske et al.	
	Q	6,180,007	01/30/2001	Gentile et al.	
	R	6,143,293	11/07/2000	Weiss et al.	
	S	6,140,039	10/31/2000	Naughton et al.	
	T	6,139,578	10/31/2000	Lee et al.	
	U	6,132,463	10/17/2000	Lee et al.	
	V	6,123,727	09/26/2000	Vacanti et al.	
	W	6,121,042	09/19/2000	Peterson et al.	
	X	6,120,514	09/19/2000	Vibe-Hansen et al.	
	Y	6,110,209	08/29/2000	Stone	
	Z	6,103,255	08/15/2000	Levene et al.	
	AA	6,096,532	08/01/2000	Armstrong et al.	
	AB	6,080,579	06/27/2000	Hanley, Jr. et al.	
	AC	6,027,742	02/22/2000	Lee et al.	
	AD	5,990,194	11/23/1999	Dunn et al.	
	AE	5,989,269	11/23/1999	Vibe-Hansen et al.	
	AF	5,980,889	11/09/1999	Butler et al.	
	AG	5,968,096	10/19/1999	Whitson et al.	
	AH	5,964,805	10/12/1999	Stone	
	AI	5,914,121	06/22/1999	Robey et al.	
	AJ	5,904,716	05/18/1999	Gendler	
	AK	5,902,741	05/11/1999	Purchio et al.	
	AL	5,837,235	11/17/1998	Mueller et al.	
	AM	5,830,493	11/03/1998	Yokota et al.	
	AN	5,759,190	06/02/1998	Vibe-Hansen et al.	
	AO	5,755,791	05/26/1998	Whitson et al.	
	AP	5,736,372	04/07/1998	Vacanti et al.	
	AQ	5,720,969	02/24/1998	Gentile et al.	
	AR	5,709,854	01/20/1998	Griffith-Cima et al.	
	AS	5,681,353	10/28/1997	Li et al.	
	AT	5,577,517	11/26/1996	Bonutti	



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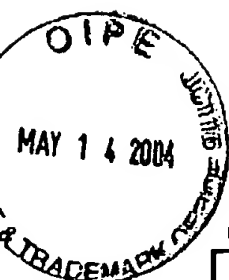
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		Application Number	09/747,488-8271		
		Filing Date	December 21, 2000		
		First Named Inventor	Bowman et al.		
		Art Unit	1615		
		Examiner Name	Liliana Di Nola-Baron C. Azpurue		
Sheet	2	of	3	Attorney Docket Number	22956-67

✓	AU	5,514,181	05/07/1996	Light et al.	
	AV	5,480,827	01/02/1996	Guillemin et al.	
	AW	5,445,833	08/29/1995	Badylak et al.	
	AX	5,443,950	08/22/1995	Naughton et al.	
	AY	5,425,766	06/20/1995	Bowald	
	AZ	5,326,357	07/05/1994	Kandel	
	AAA	5,061,281	10/29/1991	Mares et al.	
	AAB	5,053,050	10/01/1991	Itay	
	AAC	5,041,138	08/20/1991	Vacanti et al.	
	AAD	4,902,508	02/20/1990	Badylak et al.	
	AAE	4,801,299	01/31/1989	Brendel et al.	
	AAF	4,609,551	09/02/1986	Caplan et al.	
	AAG	4,553,272	11/19/1985	Mears	
	AAH	4,520,821	06/04/1985	Schmidt et al.	
	AAI	3,857,932	12/31/1974	Shepherd et al.	
	AAJ	3,812,017	05/21/1974	Santangelo et al.	
✓	AAK	US2003/0077311	04/24/2003	Vyakarnam et al.	
✓	AAL	US2003/0026787	02/06/2003	Fearnot et al.	
✓	AAM	US2002/0009806	01/24/2002	Hicks, Jr.	
✓	AAN	US2002/0009805	01/24/2002	Nevo et al.	
✓	AAO	US2002/0099448	07/25/2002	Hiles et al.	
✓	AAP	US2002/0099401	07/25/2002	Bonutti	
✓	AAQ	US2002/0091406	07/11/2002	Bonutti	
✓	AAR	US2002/0091403	07/11/2002	Bonutti	
✓	AAS	US2002/0082631	06/27/2002	Bonutti	
✓	AAT	US2002/0029055	03/07/2002	Bonutti	
✓	AAU	US2002/0133229	09/19/2002	Laurencin et al.	
✓	AAV	US2002/0127265	09/12/2002	Bowman et al.	
✓	AAW	US2002/0107570	08/08/2002	Sybert et al.	
✓	AAX	US2001/0053839	12/20/2001	Noishiki et al.	
✓	AAZ	US2001/0053353	12/20/2001	Griffith et al.	
✓	AAA	US2001/0039453	11/08/2001	Gresser et al.	
✓	AAAA	US2001/0023373	09/20/2001	Plouhar et al.	
✓	AAAB	US2001/0016353	08/23/2001	Janas et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ²	Number ³ -Kind Code ⁴ (if known)			
✓	BA	EP	1 167 517	01/02/2002	de Bruijn	
	BB	EP	1 064 958	01/03/2001	Vyakarnam et al.	
	BC	EP	0 955 024	11/10/1999	Adamkiewicz	
	BD	EP	0 562 864	09/29/1993	Rosenthal et al.	
	BE	WO	99/47097	09/23/1999	Haft	
	BF	WO	98/48860	11/05/1998	Jahoda et al.	
	BG	WO	97/46665	12/11/1997	Rieser et al.	
	BH	WO	97/30662	08/28/1997	Naughton et al.	
	BI	WO	95/33821	12/14/1995	Purchio et al.	
✓	BJ	WO	86/00533	01/30/1986	Leenslag et al.	



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Sheet	3	of	3	Attorney Docket Number	22956-67

BK	DE 198 12 195	09/30/1999	Haft		
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
AS	CA	Stone, K. et al. "Meniscal Regeneration With Copolymeric Collagen Scaffolds" American Journal of Sports Medicine, 20(2):104-111 (1992).	
	CB	Murray, M., et al. "The Migration of Cells from the Ruptured Human Anterior Cruciate Ligament into Collagen-Glycosaminoglycan Regeneration Templated in Vitro" Biomaterials 22:2393-2402 (2001).	
	CC	*(Abstract Only) Caterson EJ., et al. "Three-Dimensional Cartilage Formation by Bone Marrow-Derived Cells Seeded in Polylactide/Alginate Amalgam" J Biomed Mater Res, 57(3):394-403 (2001).	
	CD	*(Abstract Only) Grigolo, B., et al. "Transplantation of Chondrocytes Seeded on a Hyaluronan Derivative (hyaff-11) into Cartilage Defects in Rabbits" Biomaterials 22(17):2417-2424 (2001).	
	CE	*(Abstract Only) van Susante JLC, et al. "Linkage of Chondroitin-sulfate to Type I Collagen Scaffolds Stimulates the Bioactivity of Seeded Chondrocytes in Vitro", Biomaterials, 22(17):2359-2369 (2001).	
	CF	*(Abstract Only) Hutmacher DW., "Scaffold Design and Fabrication Technologies for Engineering Tissues-State of the Art and future Prospectives", J Biomater Sci Polym Ed, 12(1):107-124 (2001).	
	CG	*(Abstract Only) Hutmacher DW., "Scaffolds in Tissue Engineering Bone and Cartilage", Biomaterials, 21(24):2529-2543 (2000).	
	CH	*(Abstract Only) Schreiber RE., et al. "A Method for Tissue Engineering of cartilage by Cell Seeding on Bioresorbable Scaffolds" Ann NY Acad Sci, 875:394-404 (1999).	
	CI	*(Abstract Only) Radice, M. "Hyaluronan-Based Biopolymers as delivery vehicles for Bone-Marrow-Derived Mesenchymal Progenitors", J Biomed Mater Res, 50(2):101-9 (2000).	
AS	CJ	Albrecht, F., "Closure of Osteochondral Lesions Using Chondral Fragments and Fibrin Adhesive" Arch. Orthop. Trauma Surg. (1983) 101:213-217.	

Examiner Signature		Date Considered	8/4/04
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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